

a1
Sub B1
CNA
nucleic acid of said CS194 gene and has at least 50% identity with a sequence] selected from the group consisting of [SEQUENCE ID NOS 1-20, and fragments] (i) polynucleotides having 50% identity to SEQUENCE ID NOS. 1-8, 10-12, 15-20 and (ii) polynucleotides having 70% identity to SEQUENCE ID NOS. 9, 13 and 14 or complements thereof.

4. (Amended) The purified polynucleotide of claim 1, wherein said polynucleotide comprises a ~~sequence~~ encoding at least one [CS194] epitope.

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Sub B2
5. (Amended) A recombinant expression system comprising a nucleic acid sequence that includes an open reading frame [derived from CS194] operably linked to a control sequence compatible with a desired host, wherein said nucleic acid sequence is [has at least 50% identity with a sequence] selected from the group consisting of [SEQUENCE ID NOS 1-20, and fragments] (i) polynucleotides having 50% identity to SEQUENCE ID NOS. 1-8, 10-12, 15-20 and (ii) polynucleotides having 70% identity to SEQUENCE ID NOS. 9, 13 and 14 or complements thereof.

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Sub B3
11. (Amended) A cell transfected with a nucleic acid sequence encoding at least one [CS194] epitope, wherein said nucleic acid sequence is selected from the group consisting of SEQUENCE ID NOS 1-20, and fragments or complements thereof.

a4
Sub B4
15. (Amended) A composition of matter comprising a [CS194] polynucleotide [or fragment thereof], wherein said polynucleotide is [has at least 50% identity with a polynucleotide] selected from the group consisting of [SEQUENCE ID NOS 1-20, and fragments] (i) polynucleotides having 50% identity to SEQUENCE ID NOS. 1-8, 10-12, 15-20 and (ii) polynucleotides having 70% identity to SEQUENCE ID NOS. 9, 13 and 14 or complements thereof.

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Sub B5
17. (Amended) A gene, or a fragment thereof, which codes for a [CS194] protein comprising an amino acid sequence that has at least 60% identity with SEQUENCE ID NO. 41.